

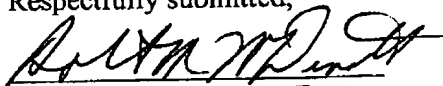
thus only measure the energy corresponding to the portion of the incoming signal that passes through the filter.

The Applicants' FIGs. 2 and 3 clearly show that the example signal-detecting device 10 does not contain a filter between its input terminal 21 and the energy detecting components 20 and 30. The device 20 of FIG. 2 determines whether the voltage on the input 21 of the detecting device 10 is larger than a reference voltage at node 22, and, as illustrated in FIG. 1, the voltage at the input to the detecting device 10 corresponds to the entirety of the voltage at the subscriber line 4. The devices 24 and 26 convert the output of the device 20 into the claimed time-domain signal. The device 30 of FIG. 3 converts the voltage at the input 21 of the detecting device 10 to a digital value, and, as noted above, the voltage at the input to the detecting device 10 corresponds to the entirety of the voltage at the subscriber line 4. The devices 31 and 32 convert this measurement of the entirety of the voltage at the subscriber line 4 into the claimed time-domain signal.

Because the Applicants clearly teach a device that provides a measure of the energy corresponding to an entirety of the signal at the input subscriber line, as specifically claimed, the Applicants respectfully request the Examiner's reconsideration of the rejection of claims 1-10 under 35 U.S.C. 112, first paragraph.

In view of the foregoing, the Applicant respectfully request that the Examiner withdraw the rejections of record, allow all the pending claims, and find the present application to be in condition for allowance. If any points remain in issue that may best be resolved through a personal or telephonic interview, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

Respectfully submitted,



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Reg. No. 41,508

804-493-0707

CERTIFICATE OF MAILING OR TRANSMISSION

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On 14 March 2003

By

